IN THE CLAIMS

This listing of claims replaces all prior listings:

1. (Currently Amended) A cathode material, comprising:

a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al),

wherein,

a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and

the complex oxide is represented by a chemical formula ~~$Li_a Mn_b Cr_c M_{1-b-c} O_d$~~ $Li_a Mn_b Cr_c Al_{1-b-c} O_d$ (where ~~a is one of 1.4, 1.5, 1.55 and 1.6 and~~ the values of a, b, c, and d are within the ranges of $1.0 < a < 1.6$, $0.5 < b+c < 1$, $1.8 < d < 2.5$ ~~and M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum~~).

2. (Cancelled)

3. (Currently Amended) A cathode material, comprising:

a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al),

wherein,

a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and

the complex oxide is represented by a chemical formula $Li_{1+e} (Mn_f Cr_g M_{1-f-g})_{1-e} O_h$ (where M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum, and ~~e is equal to 0.4 and~~ the values of e, f, g and h are within the ranges $0 < e < 0.4$, $0.2 < f < 0.5$, $0.3 < g < 1$, $f + g < 1$ and $1.8 < h < 2.5$).

4. (Currently Amended) A method of manufacturing a cathode material, the cathode material comprising a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and

aluminum (Al), a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and the complex oxide is represented by a chemical formula $Li_a Mn_b Cr_c M_{1-b-c} O_d$ (where ~~a is one of 1.4, 1.5, 1.55 and 1.6 and~~ the values of a, b, c, and d are within the ranges of $1.0 < a < 1.6$, $0.5 < b+c < 1$, $1.8 < d < 2.5$ ~~and M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum~~), the method comprising the step of:

mixing materials with ethanol as a dispersion medium to synthesize the complex oxide.

5. (Currently Amended) A battery, comprising:

a cathode;

an anode; and

an electrolyte,

wherein,

the cathode comprises a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al), and a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and

the complex oxide is represented by a chemical formula $Li_a Mn_b Cr_c M_{1-b-c} O_d$ (where ~~a is one of 1.4, 1.5, 1.55 and 1.6 and~~ the values of a, b, c, and d are within the ranges of $1.0 < a < 1.6$, $0.5 < b+c < 1$, $1.8 < d < 2.5$ ~~and M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum~~).

6. (Cancelled)

7. (Currently Amended) A battery, comprising:

a cathode;

an anode; and

an electrolyte,

wherein,

the cathode comprises a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al), and a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and

the complex oxide is represented by a chemical formula $Li_{1+e}(Mn_f Cr_g M_{1-f-g})_{1-e} O_h$ (where M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum, and ~~e is equal to 0.4 and~~ the values of e, f, g and h are within the ranges of $0 < e < 0.4$, $0.2 < f < 0.5$, $0.3 < g < 1$, $f + g < 1$ and $1.8 < h < 2.5$).

8. (Currently Amended) A method of manufacturing a cathode material, the cathode material comprising a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al), and a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and the complex oxide is represented by a chemical formula $Li_{1+e}(Mn_f Cr_g M_{1-f-g})_{1-e} O_h$ (where M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum, and ~~e is equal to 0.4 and~~ the values of e, f, g and h are within the ranges of $0 < e < 0.4$, $0.2 < f < 0.5$, $0.3 < g < 1$, $f + g < 1$ and $1.8 < h < 2.5$), the method comprising the step of:

mixing materials with ethanol as a dispersion medium to synthesize the complex oxide.